BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2016-17/OW/WORK_INDENT22228

APPROVED SCHEDULE - B

EE/DTP/BBMP/E-PMT/09/2016-17, Date:25.08.2016

Drilling new borewell providing and fixing pump motor with electrification at Amruthahalli in ward no. 07 Kodigehalli sub division.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of R S THYAGARAJ	
				In Figures	In Words
1	1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction	Each	1841.53	Rupees One Thousand Eight Hundred Forty One and Fifty Three Paise Only
2	50	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0 to 50 m	Rmtr	299.42	Rupees Two Hundred Ninety Nine and Forty Two Paise Only
3	50	50 to 100 m	Rmtr	391.4	Rupees Three Hundred Ninety One and Forty Paise Only
4	50	100 to 150 m	Rmtr	435.43	Rupees Four Hundred Thirty Five and Forty Three Paise Only
5	50	150 to 200 m	Rmtr	459.89	Rupees Four Hundred Fifty Nine and Eighty Nine Paise Only
6	50	200 to 250 m	Rmtr	532.3	Rupees Five Hundred Thirty Two and Thirty Paise Only
7	28	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.	Rmtr	1258.75	Rupees One Thousand Two Hundred Fifty Eight and Seventy Five Paise Only
8	12	Providing 200mm dia PVC Pipe10kg/cm2	Rmtr	1635.0	Rupees One Thousand Six Hundred Thirty Five Only
9	1	Providing and supllying 175mm dia M.S.Cap etc., complete as per specifications and direction of the Engineer--in-charge	Nos	95.0	Rupees Ninety Five Only
10	1	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, 10 HP 20 stage sub mersible pumpset	Nos	47595.0	Rupees Forty Seven Thousand Five Hundred Ninety Five Only

Signature of the contractor

Executive Engineer

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	Approved Qty.	Description	Unit	Approved Tender Rates of R S THYAGARAJ	
				In Figures	In Words
11	240	Providing and fixing in galvanised mild steel tubes (Heavy class as per IS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification	Mtr	517.1	Rupees Five Hundred Seventeen and Ten Paise Only
12	250	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group - A	Nos	179.26	Rupees One Hundred Seventy Nine and Twenty Six Paise Only
13	1	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot	Nos	2850.0	Rupees Two Thousand Eight Hundred Fifty Only
14	40	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel	Nos	123.5	Rupees One Hundred Twenty Three and Fifty Paise Only
15	1	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube	Nos	1528.7	Rupees One Thousand Five Hundred Twenty Eight and Seventy Paise Only
16	1	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A	Nos	9352.75	Rupees Nine Thousand Three Hundred Fifty Two and Seventy Five Paise Only
17	1	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP	Nos	5381.75	Rupees Five Thousand Three Hundred Eighty One and Seventy Five Paise Only
18	1	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot	Nos	1425.0	Rupees One Thousand Four Hundred Twenty Five Only
19	1	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG	Nos	7472.7	Rupees Seven Thousand Four Hundred Seventy Two and Seventy Paise Only
20	1	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	Nos	1985.5	Rupees One Thousand Nine Hundred Eighty Five and Fifty Paise Only
21	1	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate	Nos	1018.4	Rupees One Thousand Eighteen and Forty Paise Only
22	6	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....	Nos	394.25	Rupees Three Hundred Ninety Four and Twenty Five Paise Only
23	37650	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 16SWG	sqcm	0.31	and Thirty One Paise Only

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				In Figures	In Words
24	1	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum-control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	Nos	9500.0	Rupees Nine Thousand Five Hundred Only
25	1	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	2041.74	Rupees Two Thousand Forty One and Seventy Four Paise Only
26	50	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class. 4 core 16 Sqmm	Rmtr	142.5	Rupees One Hundred Forty Two and Fifty Paise Only
27	50	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm)	Rmtr	7.6	Rupees Seven and Sixty Paise Only
28	40	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete	Rmtr	57.0	Rupees Fifty Seven Only
29	4	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia GI Pipe	Rmtr	228.0	Rupees Two Hundred Twenty Eight Only
30	1	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., 16 Sqmm	Nos	247.0	Rupees Two Hundred Forty Seven Only
31	0.4	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.	cmt	2184.35	Rupees Two Thousand One Hundred Eighty Four and Thirty Five Paise Only
32	0.68	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.	cmt	5216.18	Rupees Five Thousand Two Hundred Sixteen and Eighteen Paise Only

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